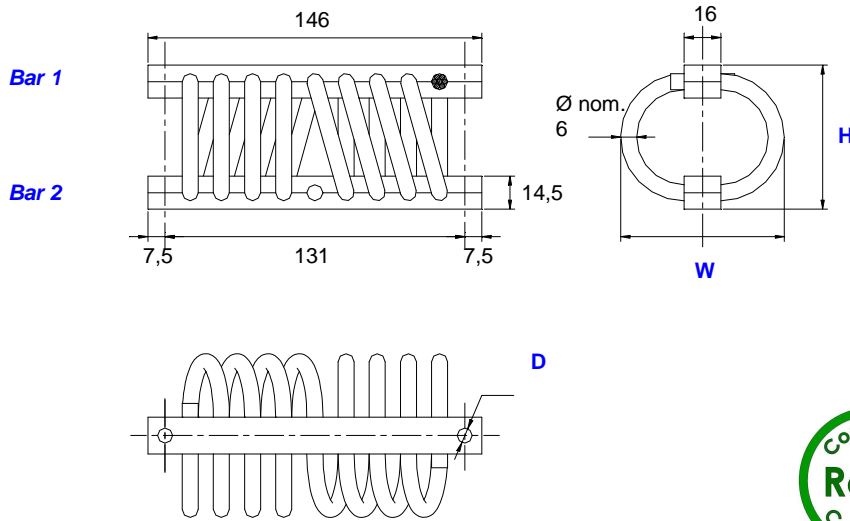


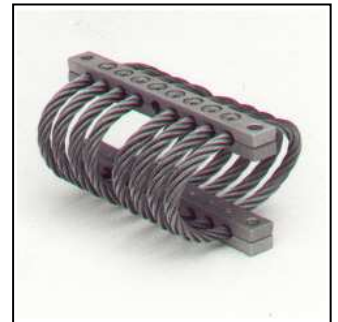
# wire rope isolators standard line "Helical"

## series CB1270

### definition



- All metal multidirectional anti-vibration/shock mounts.
- Exceptional reliability and long life.
- High damping.
- No ageing.
- Corrosion resistant.
- Unequalled temperature range : -180°C +300°C.
- Great adaptability/versatility. Specials on request (material size and number of loops, etc.).



Dimensions are in mm.

Dimensions for reference only.

#### Series

Materials and finishes

#### CB1270

**Cable :**  
stainless steel.  
(galvanised **CBG1270**)  
**Retainer bars :**  
Aluminium alloy/Surtec 650  
**Screws :**  
Alloy steel/zinc plate.  
(Inserts : stainless steel.)  
  
*Other materials on request.*

#### Model

	height H (mm)	width W (mm)	mass (kg)
-10	48	55	0,34
-20	54	62	0,37
-25	59	70	0,39
-30	63	79	0,41
-35	63	88	0,43
-38	67	94	0,45
-40	67	99	0,46
-50	82	107	0,50
-60	98	128	0,58

#### Interfaces

fixture holes  
D

#### Bar 2

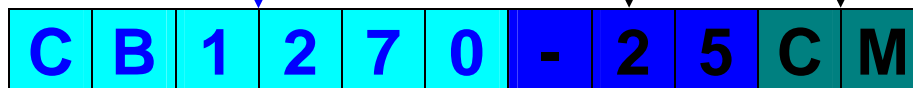
2 through holes  
Ø 6,4 mm

2 through holes  
Ø 6,4 mm  
countersunk 90°

2 inserts M6

Bar 1	Bar 2	Bar 3
2 through holes Ø 6,4 mm	2 through holes Ø 6,4 mm countersunk 90°	2 inserts M6
no suffix	not standard	not standard
CM	CM2	not standard
IM	CIM	IM2

Example :  
CB1270-25CM



**Prefix :**  
"Helical" mount  
from the **CB1270** series

**Model : -25**  
height : 59 mm  
width : 70 mm  
mass : 0,39 kg  
8 loops

( **Model : -25-06** )  
=  
=  
=  
6 loops

**Suffix : CM**  
2 through holes Ø 6,4 mm  
countersunk 90° in bar 2.  
2 through holes Ø 6,4 mm  
in bar 1.

Note : Standard models of this series have 8 loops.

01/07/2014

Socitec  
BP 33, 78501 Sartrouville cedex - France  
Telephone : +33 (0)1 61 04 60 00  
Fax : +33 (0)1 39 14 03 27  
http://www.socitec.com  
e-mail : shock-intl@socitec.com

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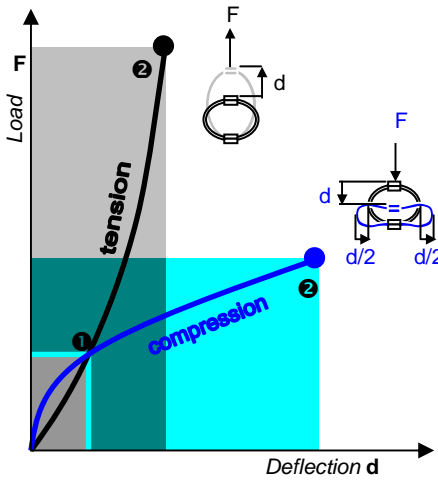
series

CB1270

wire rope isolators

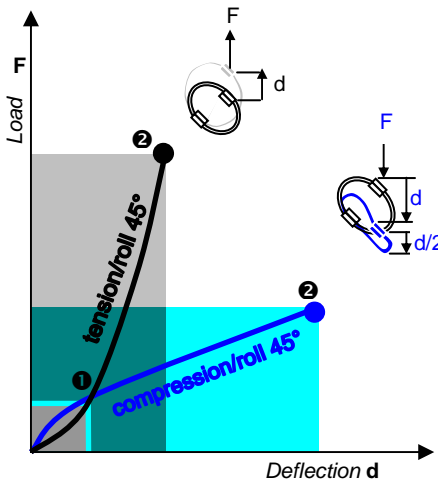
standard line "Helical"

performances\*



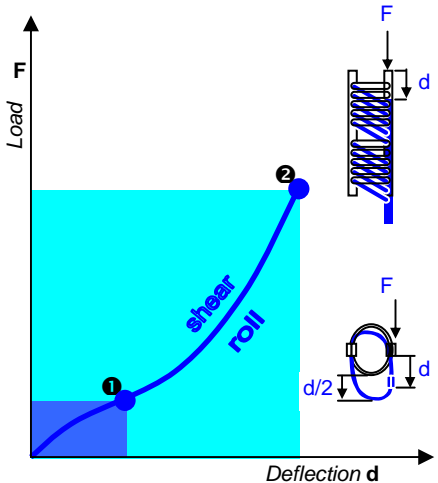
**Compression and Tension**

CB1270 series	Model	-10	-20	-25	-30	-35	-38	-40	-50	-60
Max static	F daN	68,3	57,0	46,3	37,3	29,5	26,8	24,0	23,3	14,0
	d mm	3,1	4,2	5,0	5,7	5,7	6,3	6,3	8,9	11,5
Max shock	F daN	205	171	139	112	88,6	80,5	72,1	70,0	42,0
	d mm	17	23	27	31	31	34	34	48	62
Max vibration	2a mm	1,9	2,5	3,0	3,4	3,4	3,7	3,7	5,3	6,8
	f Hz	9,5	8,0	7,5	7,1	7,3	7,0	7,1	5,8	5,0
Max static	F daN	68,3	57,0	46,3	37,3	29,5	26,8	24,0	23,3	14,0
	d mm	2,7	3,4	4,3	5,3	5,7	6,3	6,3	8,3	10,4
Max shock	F daN	687	536	463	400	386	352	350	256	80
	d mm	13	15	20	26	35	39	46	41	37
Max vibration	2a mm	1,4	1,7	2,2	2,8	3,9	4,3	5,0	4,6	4,1
	f Hz	12,4	11,1	9,9	8,9	8,0	7,7	7,3	7,1	6,7



**Compression/roll 45°-Tension/roll 45°**

CB1270 series	Model	-10	-20	-25	-30	-35	-38	-40	-50	-60
Max static	F daN	51,3	42,8	34,8	28,0	22,2	20,1	18,0	17,5	10,5
	d mm	5,0	6,9	8,3	9,6	9,6	10,6	10,6	15,4	16,2
Max shock	F daN	128	105	86,7	70,6	57,7	52,4	47,6	44,4	26,4
	d mm	26	35	41	47	47	51	51	72	93
Max vibration	2a mm	2,8	3,8	4,5	5,1	5,1	5,6	5,6	7,9	10,2
	f Hz	8,0	6,7	6,3	6,0	6,2	5,9	6,0	4,8	4,3
Max static	F daN	51,3	42,8	34,8	28,0	22,2	20,1	18,0	17,5	10,5
	d mm	4,2	5,3	6,7	8,2	9,4	10,3	10,6	12,8	16,0
Max shock	F daN	509	394	343	298	291	265	266	191	82
	d mm	17	20	26	34	47	52	61	55	60
Max vibration	2a mm	1,8	2,2	2,9	3,8	5,2	5,7	6,7	6,1	6,6
	f Hz	10,9	9,8	8,7	7,8	7,1	6,8	6,5	6,2	5,7



**Shear or roll**

CB1270 series	Model	-10	-20	-25	-30	-35	-38	-40	-50	-60
Max static	F daN	34,2	28,5	23,2	18,6	14,8	13,4	12,0	11,7	7,0
	d mm	5,9	8,0	9,4	10,8	10,8	11,9	11,9	16,8	21,7
Max shock	F daN	246	177	153	129	121	109	108	78,5	39,4
	d mm	19	24	30	37	45	50	55	59	68
Max vibration	2a mm	2,1	2,6	3,3	4,1	5,0	5,4	6,1	6,4	7,5
	f Hz	9,4	8,2	7,4	6,7	6,3	6,0	5,8	5,3	4,8

- ① Max static load (F) with corresponding deflection (d)
- ② Max shock load (F) with corresponding deflection (d)
- ⓔ Uncoupled resonant frequency (f) under max static loading ① and max peak to peak sinusoidal vibration input (2a)

\* **Important** : Performance characteristics are given here for reference only. They can be increased under specific conditions. Contact us.

01/07/2014

**Typical shock/vibration specifications :**

Ground Forces	GAM EG13A, SEFT 001, MIL-STD-810, VG 95332.
Air	AIR 7306, MIL-E-5400, MIL-C-172, MIL-STD-810.
Marine	GAM EG13C, IT25-21/96-31/15-86, MIL-S-167, MIL-S-901, STANAG 042, BV 043.73, BV 044.
Others	GAM EMB1, GAM EMBT4, DEF STAN 07-55, IEC 571, FINABEL 2C.

Socitec  
 BP 33, 78501 Sartrouville cedex - France  
 Telephone : +33 (0)1 61 04 60 00  
 Fax : +33 (0)1 39 14 03 27  
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 e-mail : shock-intl@socitec.com



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